

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **09-187319**

(43)Date of publication of application : **22.07.1997**

(51)Int.Cl.

**A46B 9/04**

**A46B 9/10**

(21)Application number : **08-000290**

(71)Applicant : **SAKURAI JIRO**  
**RIZUMU HAMIGAKI KK**

(22)Date of filing : **05.01.1996**

(72)Inventor : **SAKURAI JIRO**  
**MATSUMOTO YASUTSUGU**

## (54) **TOOTHBRUSH**

(57)Abstract:

**PROBLEM TO BE SOLVED:** To clean and polish between teeth in accordance with any poor alignment of teeth by forming a bent part of a specific angle in part of a grasping member, and installing a one-point brush member having a bundle of planted hairs at a tip of one joint member in such a way that its protruded angle from the joint member is changeable.

**SOLUTION:** A grasping member is provided with a bent part 3 which is bent from a grasping part close to a joint end by an angle of 5-15deg. forward to the surface side. A joint member 4 has an engagement protrusion (or engagement hole) 4a at one end, an installation base 4a having a semispherical recessed part is integrally formed at the other end to be in contact with a connection arm part having a cut part 4b in part of the surface side, and a male screw is formed at an upper end circumferential edge of it. A one-point toothbrush member 5 comprises a hole in an upper surface of a brush base 5a in which a bundle of brush hairs 5b are planted, where a spherical body is formed at a lower part of the brush base 5a. A radius of it is set to be similar to a radius of a semispherical recessed part. A tightening member 6 comprises a circular frame body 6a and a handle 6b integrally formed with it to be protruded.

